

Claims

1. Process for the treatment, with ozone, of water which has a TOC of more than 2 ppm and contains at least 0.1 wt.% of dissolved carbonic acid or carbonates, characterised in that the treatment is carried out at a temperature of 10°C to 130°C and at an absolute pressure of 0.5 to 3 bar and that the pH value of the water which is supplied to the process is 2 to 11 and that the treatment takes place over a period of from 1 minute up to 10 hours.
- 10 2. Process according to claim 1, wherein the water contains 2 to 20 wt.% common salt.
- 15 3. Process for the production of chlorine by electrolysis of common salt, characterised in that the common salt is supplied to the electrolysis process in the form of an aqueous solution, which is obtained by the treatment, with ozone, of water which has a TOC of more than 2 ppm and a common salt content of 2 to 20 wt.% and contains at least 0.1 wt.% of dissolved carbonic acid or carbonates, wherein the treatment is carried out at a temperature of 10°C to 130°C and at an absolute pressure of 0.5 to 3 bar and wherein the pH value of the water which is supplied to the process for the treatment with ozone is 2 to 11 and wherein the treatment with ozone takes place over a period of from 1 minute up to 10 hours.
- 20 4. Process according to claim 3, wherein the electrolysis is carried out by the membrane process.
- 25 5. Process according to one of claims 1 to 4, wherein the water which is subjected to the treatment with ozone according to the invention is the waste water from the production of polycarbonate by the phase interface process.
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6. Process according to claim 5, wherein the water which is subjected to the treatment with ozone according to the invention is the waste water from the production of bisphenol A polycarbonate by the phase interface process.

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7. Process according to one of claims 1 to 6, wherein the pH of the water supplied to the process for the treatment with ozone has a value which is less than 7 and is such that, after the treatment of the water with ozone, the pH value is more than 7.5.

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A2

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A3